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Addendum

Report Weed Research Team, Department of Research and Specialist Services, Rhodesia (based at Henderson Res. Sta.)

WEED ABSTRACTS Volume 23

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Abbreviations

abs.	abstract	hp	horsepower	ppm.	parts per million
a.e.	acid equivalent	in	inch	ppmv.	parts per million by volume
a.i.	active ingredient	in^2	square inch		
b.p.	boiling point	i.r.	infra-red	ppmw.	parts per million by weight
bu	bushel	kcal	kilocalorie		
°C	degrees Celsius (formerly Centigrade)	kg	kilogramme	pre-em	pre-emergence
		LD	median lethal dose	p.t.o.	power take off
conc.	concentrated	lb	pound	pt	pint
concn.	concentration	lbf/in^2	pounds-force per square inch	ref.	references
cv.	cultivar(s)			r.h.	relative humidity
cwt	hundredweight	m	molar concentration	s	second
d.b.h.	diameter at breast height	m	metre	sp.	species
		m-	milli-(x 10^{-3})	spp.	species (plural)
diam.	diameter	μ-	micro (x 10^{-6})	ssp.	subspecies
d.m.	dry matter	μm	micron	t	tonne (Mg)
dz	Doppelzentner (= 100 kg)	m^2	square metre	temp.	temperature
		mg	milligramme	t.l.c.	thin-layer chromatography
e.c.	emulsifiable concentrate	min	minute		
		ml	millilitre	u.l.v.	ultra low volume
°F	degrees Fahrenheit	mm	millimetre	u.v.	ultra-violet
ft	foot	m.p.	melting point	var.	*varietas*
ft^2	square foot	N	normal concentration	vol.	volume
g	gramme	n	nano-(x 10^{-9})	wt	weight
gal	gallon	o.m.	organic matter	w.p.	wettable powder
g.l.c.	gas-liquid chromatography	oz	ounce	yd	yard
h	hour	p.	page	>	more than
ha	hectare	post-em	post-emergence	<	less than
hkg	hectokilogramme	pp.	pages	±	with or without
				%	percent(age)

Languages

An initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	Fi	Finnish	It	Italian	Ru	Russian
Bg	Bulgarian	Nl	Flemish	Ja	Japanese	Sh	Serbo-Croat
Cs	Czech	Fr	French	No	Norwegian	Sk	Slovak
Da	Danish	De	German	Pl	Polish	Es	Spanish
Nl	Dutch	He	Hebrew	Pt	Portuguese	Sv	Swedish
En	English	Hu	Hungarian	Ro	Romanian	Tr	Turkish

Where there is more than one author to a paper, the address given refers only to the first and is normally the address where the work was carried out.

Where abstracts have been taken in their entirety from another source, acknowledgement is made to the source used. An author's original abstract is followed by the words 'From summary'. Where a modified version of an abstract is used, additionally, the abstractor's initials are appended.

Unless otherwise stated, rates of application for growth-regulator herbicides such as 2,4-D, MCPA, fenoprop, dalapon, the benzoics, etc. are given as the acid equivalent. Rates for other herbicides such as the ureas, carbamates, triazines, etc. are given as the active ingredient. Rates for the bipyridyls refer to the cation, only.

st of common names and abbreviations used for herbicides and plant growth regulators in *Weed ostracts*

asterisk (*) signifies approval by the British Standards Institution (BSI)
dagger (†) signifies approval by the Weed Science Society of America (WSSA)
louble dagger (‡) signifies approval by the International Organization for Standardization (I.S.O)
ere the name approved by the WSSA or the I.S.O. differs from that approved by the BSI, the WSSA or I.S.O. name is given in brackets posite the chemical name, with the appropriate symbol attached.

·tochlor†	*α*-chloro-*N*-ethoxymethyl-6-ethyl-*o*-acetotoluidide	
olein†	acrylaldehyde	
chlor*†	*α*-chloro-2,6-diethyl-*N*-(methoxymethyl)acetanilide	
dochlor*	*N*,*N*-diallylchloroacetamide	(CDAA†)
etryne*†	4-ethylamino-6-isopropylamino-2-methylthio-1,3,5-triazine	
inotriazole	3-amino-1,2,4-triazole	(amitrole†‡)
IS†	ammonium sulphamate	
suron*	*N*′-(3,4-dichlorophenyl)-*N*′-(4-methoxybenzoyl)-*N*,*N*-dimethylurea	
lam*†‡	methyl (4-aminobenzenesulphonyl)carbamate	
ıton*‡	4-ethylamino-6-isopropylamino-2-methoxy-1,3,5-triazine	(atratone†)
azine*†‡	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine	
protryne*	2-azido-4-isopropylamino-6-methylthio-1,3,5-triazine	
ban*†‡	4-chlorobut-2-ynyl *N*-(3-chlorophenyl) carbamate	
nazolin*‡	4-chloro-2-oxobenzothiazolin-3-ylacetic acid	
nfluralin*	*N*-butyl-*N*-ethyl-2,6-dinitro-4-trifluoromethylaniline	(benefin†)
nsulide*†	*N*-[2-(*O*,*O*-di-isopropyidithiophosphoryl)ethyl] benzene sulphonamide	
ntazone†	3-isopropyl-2,1,3-benzothiadiazin-4-one 2,2-dioxide	
nzadox*†	benzamido-oxyacetic acid	
zoylprop-ethyl*	ethyl *N*-benzoyl-*N*-(3,4-dichlorophenyl)-2-aminopropionate	
nzthiazuron*	*N*-(benzothiazol-2-yl)-*N*-methylurea	
enox†	methyl 5-(2,4-dichlorphenoxy)-2-nitrobenzoate	
macil*†‡	5-bromo-6-methyl-3-(1-methyl-n-propyl) uracil	
mobonil*	2,6-dibromo-4-cyanophenyl tetrahydrofurfuryl carbonate	
mofenoxim*	3,5-dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime	
moxynil*†‡	3,5-dibromo-4-hydroxybenzonitrile	
mpyrazone*	5-amino-4-bromo-2-phenylpyridazin-3-one	
tachlor†	*N*-(butoxymethyl)-*α*-chloro-2,6-diethylacetanilide	
turon*†‡	*N*-(4-chlorophenyl)-*N*-isobutynyl-*N*-methylurea	
tylate†	*S*-ethyl *N*,*N*-di-isobutyl(thiocarbamate)	
basulam*	methyl *N*-(4-[methoxycarbamoyl] benzenesulphonyl)carbamate	
betamide*†	D-*N*-ethyl-2-(phenylcarbamoyloxy) propionamide	
EA†	*N*,*N*-diethylchloroacetamide	
oramben*†‡	3-amino-2,5-dichlorobenzoic acid	
oranocryl*‡	*N*-(3,4-dichlorophenyl) methacrylamide	(dicryl†)
orazine*†	2-chloro-4,6-bisdiethylamino-1,3,5-triazine	
orbromuron*‡	*N* -(bromo-3-chlorophenyl)-*N*-methoxy-*N*-methylurea	
orbufam*‡	1-methylprop-2-ynyl *N*-(3-chlorophenyl)carbamate	
ordane*†	1,2,4,5,6,7,10,10-octachloro-4,7,8,9-tetrahydro-4,7-methyleneindane	
orfenac*‡	2,3,6-trichlorophenylacetic acid	(fenac†)
orfenprop-methyl*	methyl 2-chloro-3-(4-chlorophenyl)propionate	
orflurazole*‡	4,5-dichloro-2-trifluoromethylbenzimidazole	
orflurecol*	2-chloro-9-hydroxyfluorene-9-carboxylic acid	
orfluren*	2 chlorofluorene-9-carboxylic acid	
ormequat*‡	2-chloroethyl-trimethyl-ammonium chloride	(CCC†)
ornitrofen*	4-nitrophenyl 2,4,6-trichlorophenyl ether	
oropon*‡	2,2,3-trichloropropionic acid	
oroxuron*†‡	*N*′-4-(4-chlorophenoxy)phenyl-*N*,*N*-dimethylurea	
oroxynil*	3,5-dichloro-4-hydroxybenzonitrile	
orprocarb*	3-methoxycarbonylaminophenyl 1-chloromethylpropylcarbamate	
orpropham*†‡	isopropyl *N*-(3-chlorophenyl)carbamate	
orthal-dimethyl*‡	2,3,5,6-tetrachloroterephthalic acid dimethyl ester	(DCPA†)
orthiamid	2,6-dichlorothiobenzamide	
ortoluron*	*N*′-(3-chloro-4-methylphenyl)-*N*,*N*-dimethylurea	
PA*†‡	4-chlorophenoxyacetic acid	
nazine†	2-chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-1,3,5-triazine	
cloate†	*N*′-cyclohexyl-*N*-ethyl-*S*-ethyl(thiocarbamate)	
cluron*†‡	*N*′-cyclo-octyl-*N*,*N*-dimethylurea	
prazine†	2-chloro-4-cyclopropylamino-6-isopropylamino-1,3,5-triazine	
razole†	*N*-[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl] cyclopropanecarboxamide	
promid*†‡	3,4-dichlorocyclopropanecarboxanilide	
-D*†	2,4-dichlorophenoxyacetic acid	
apon*‡	2,2-dichloropropionic acid	
zomet*†‡	3,4,5,6-tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione	
-DB*†	4-(2,4-dichlorophenoxy)butyric acid	
U†	dichloral urea	
lachlor†	*α*-chloro-*N*-(isobutoxymethyl)-2,6-acetoxylidide	
-DEP†	tris-(2,4-dichlorophenoxyethyl)phosphite	
-DES	2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate	(sesone†, disul‡)
smedipham†	3-(ethoxycarbonylamino)phenyl-*N*-phenyl-carbamate	
smetryne*†	4-isopropylamino-6-methylamino-2-methylthio-1,3,5-triazine	(desmetryn†)
allate*‡	*S*-2,3-dichloroallyl *N*,*N*-di-isopropyl(thiocarbamate)	(diallate†)

dibutalin†	2,6-dinitro-*N*-s-butyl-4-t-butylaniline	
dicamba*†‡	3,6-dichloro-2-methoxybenzoic acid	
dichlobenil*†‡	2,6-dichlorobenzonitrile	
dichlone*†	2,3-dichloro-1,4-naphthaquinone	
dichlorflurenol*	2,7-dichloro-9-hydroxyfluorene-9-carboxylic acid	
dichlormate+	3,4-dichlorobenzyl *N*-methylcarbamate	
dichlorprop*†‡	(±) 2-(2,4-dichlorophenoxy)propionic acid	
difenoxuron*†	*N*'-4-(4-methoxyphenoxy)phenyl-*N*,*N*-dimethylurea	
dimethametryn*	2-(1,2-dimethylpropylamino)-4-ethylamino-6-methylthio-1,3,5-triazine	
dimidazon*	4,5-dimethoxy-2-phenylpyridazin-3(2*H*)-one	(dimexano‡)
dimexan*	di(methoxythiocarbonyl)disulphide	
dinitramine†	*N*',*N*'-diethyl-2,6-dinitro-4-trifluoromethyl-*m*-phenylenediamine	
dinofenate*	2,4-dinitrophenyl 2,4-dinitro-6-*s*-butylphenyl carbonate	
diniprop*‡	2-isopropyl-3-methyl-4,6-dinitrophenol	
dinosam*†	2-(1-methyl-n-butyl)-4,6-dinitrophenol	
dinoseb*†‡	2-(1-methylpropyl)-4,6-dinitrophenol	
dinoterb*‡	4,6-dinitro-2-t-butylphenol	
diphenamid*†‡	*N*,*N*-dimethyl-$\alpha\alpha$-diphenylacetamide	
diphenatrile†	diphenylacetonitrile	
dipropalin†	2,6-dinitro-*N*,*N*-dipropyl-4-methylaniline	
dipropetryn*†	2-ethylthio-4,6-di(isopropylamino)-1,3,5-triazine	
diquat*†‡	9,10-dihydro-8a, 10a-diazoniaphenanthrene	
diuron*†‡	*N*'-(3,4-dichlorophenyl)-*N*,*N*-dimethylurea	
DMPA†	*O*-(2,4-dichlorophenyl) *O* -methyl *N*-isopropyl phosphoramidothioate	
DNOC*†‡	2-methyl-4,6-dinitrophenol	
DSMA†	disodium methylarsonate	
endothal*‡	7-oxabicyclo[2,2,1] heptane-2,3-dicarboxylic acid	(endothall†)
EPTC*†	*S*-ethyl *N*,*N*-dipropyl(thiocarbamate)	
erbon†‡	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate	
ethiolate*†	*S*-ethyl diethylthiocarbamate	
ethofumesate*	2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methylsulphonate	
etinofen*‡	2-ethoxymethyl-4,6-dinitrophenol	
EXD†	di(ethoxythiocarbonyl) disulphide	
fenoprop*‡	(±) 2-(2,4,5-trichlorophenoxy)propionic acid	(silvex†)
fenuron*†‡	*N*,*N*-dimethyl-*N*'-phenylurea	
fenuron-TCA†	*N*,*N*-dimethyl-*N*'-phenyluronium trichloroacetate	
fluchloralin†	*N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)aniline	
flumezin*	2-methyl-4-(3-trifluoromethylphenyl)-tetrahydro-1,2,4-oxadiazine-3,5-dione	
fluometuron*†‡	*N*'-(3-trifluoromethylphenyl)-*N*,*N*-dimethylurea	
fluorodifen*	4-nitrophenyl 2-nitro-4-trifluoromethylphenyl ether	
fluoronitrofen*	2,4-dichloro-6-fluorophenyl 4-nitrophenyl ether	
flurecol*†	9-hydroxyfluorene-9-carboxylic acid	(flurenol†)
fluromidine*	6-chloro-2-trifluoromethyl-3*H*-imidazo [4,5-*b*] pyridine	
GA	gibberellic acid	
glyphosate*†	*N*-(phosphonomethyl)glycine	
haloxydine*	3,5-dichloro-2,6-difluoro-4-hydroxypyridine	
hexaflurate†	potassium hexafluoroarsenate	
IAA	indolylacetic acid	
IBA	indolylbutyric acid	
iodobonil*	allyl 4-cyano-2,6-di-iodophenyl carbonate	
ioxynil*†‡	4-hydroxy-3,5-di-iodobenzonitrile	
ipazine*†‡	2-chloro-4-diethylamino-6-isopropylamino-1,3,5-triazine	
iprymidam*	2-amino-4-chloro-6-isopropylaminopyrimidine	
isocil*†‡	5-bromo-3-isopropyl-6-methyluracil	
isonoruron*	*N*'-[1 or 2-(hexahydro-4,7-methanoindanyl)-*N*,*N*-dimethylurea	
isopropalin*†	4-isopropyl-2,6-dinitro-*N*,*N*-dipropylaniline	
karbutilate†	*m*-(3,3-dimethylureido)phenyl t-butylcarbamate	
lenacil*†‡	3-cyclohexyl-6,7-dihydro-1*H*-cyclopentapyrimidine-2,4-(3*H*,5*H*)dione	
linuron*†‡	*N*'-(3,4-dichlorophenyl)-*N*-methoxy-*N*-methylurea	
MAMA†	monoammonium methylarsonate	
MCPA*†‡	4-chloro-2-methylphenoxyacetic acid	
MCPA-thioethyl*	*S*-ethyl 4-chloro-2-methylphenoxythioacetate	
MCPB*†‡	4-(4-chloro-2-methylphenoxy)butyric acid	
mecoprop*†‡	(±) 2-(4-chloro-2-methylphenoxy)propionic acid	
medinoterb*‡	4,6-dinitro-5-methyl-2-t-butylphenol	
metflurazone*	4-chloro-5-(dimethylamino)-2-(3-trifluoromethylphenyl)pyridazin-3(2*H*)-one	
methabenzthiazuron*	*N*-(benzothiazol-2-yl)-*N*,*N*'-dimethylurea	
metham*†	*N*-methyldithiocarbamic acid	(metam-sodium [= Na salt]‡)
methazole†	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione	
methiuron*	*N*,*N*-dimethyl-*N*'-(3-methylphenyl)thiourea	
methometon*‡	2-methoxy-4,6-bis(3-methoxypropylamino)-1,3,5-triazine	
methoprotryne*‡	4-isopropylamino-6-(3-methoxypropylamino)-2-methylthio-1,3,5-triazine	
metobromuron*†‡	*N*'-(4-bromophenyl)-*N*-methoxy-*N*-methylurea	
metoxuron*‡	*N*'-(3-chloro-4-methoxyphenyl)-*N*,*N*-dimethylurea	
metribuzin†	4-amino-6-t-butyl-3-(methylthio)-1,2,4-triazin-5(4*H*)-one	
MH†	1,2,3,6-tetrahydro-3,6-dioxopyridazine	
molinate†	*S*-ethyl *N*,*N*-hexamethylene(thiocarbamate)	
monalide*‡	*N*-(4-chlorophenyl)-2,2-dimethylvaleramide	
monolinuron*†‡	*N*'-(4-chlorophenyl)-*N*-methylurea	
monuron*†‡	*N*'-(4-chlorophenyl)-*N*,*N*-dimethylurea	
monuron-TCA†	*N*'-(4-chlorophenyl)-*N*,*N*-dimethyluronium trichloroacetate	
morfamquat*‡	1,1 -bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4 -bipyridylium	

MA†	monosodium methylarsonate	
A	naphthylacetic acid	
ropamide*†	*N,N*-diethyl-2-(α-naphthoxy)propionamide	
talam*†‡	*N*-1-naphthylphthalamic acid	
uron*†	*N*-butyl-*N'*-(3,4-dichlorophenyl)-*N*-methylurea	
alin†	4-(methylsulphonyl)-2,6-dinitro-*N,N*-dipropylaniline	
ofen*†‡	2,4-dichlorophenyl 4-nitrophenyl ether	
flurazon*†	4-chloro-5-methylamino-2-(3-trifluoromethylphenyl)pyridazin-3-one	
uron*‡	*N'*-(hexahydro-4,7-methanoindan-5-yl)-*N,N*-dimethylurea	(norea†)
zalin†	3,5-dinitro-N^4N^4-dipropylsulphanilamide	
diazon*†	4-(2,4-dichloro-5-isopropoxyphenyl)-2-t-butyl-1,3,4-oxadiazolin-5-one	
pyrazone*	(2-hydroxyethyl)dimethylammonium (4-bromo-2-phenyl-3-pyridazon-5-yl)oxamate	
afluron*	*N,N*-dimethyl-*N* -(4-trifluoromethylphenyl)urea	
aquat*†‡	1,1'-dimethyl-4,4'-bipyridylium	
*†	pentachlorophenol	
ulate*†‡	*S*-propyl *N*-butyl-*N*-ethyl(thiocarbamate)	
tanochlor*‡	*N*-(3-chloro-4-methylphenyl)-2-methylpentanamide	(solan†)
nmedipham*†	3-(methoxycarbonylamino)phenyl *N*-(3'-methylphenyl)carbamate	
nmedipham-ethyl*	3-ethoxycarbonylaminophenyl-*N*-(3'-methylphenyl)carbamate	
nobenzuron*	*N'*-benzoyl-*N'*-(3,4-dichlorophenyl)-*N,N*-dimethylurea	
oram*†‡	4-amino-3,5,6-trichloropicolinic acid	
erophos*	*S*-2-methyl-1-piperidylcarbonylmethyl *O,O*-di-n-propyl phosphorodithioate	
fluralin*†	*N*-(cyclopropylmethyl)-2,6-dinitro-*N*-propyl-4-trifluoromethylaniline	
meton*‡	4,6-bisisopropylamino-2-methoxy-1,3,5-triazine	(prometone†)
metryne*†	4,6-bisisopropylamino-2-methylthio-1,3,5-triazine	
namide*	3,5-dichloro-*N*-(1,1-dimethylpropynyl)benzamide	
pachlor*†‡	α-chloro-*N*-isopropylacetanilide	
panil*†‡	*N*-(3,4-dichlorophenyl) propionamide	
pazine*†‡	2-chloro-4,6-bisisopropylamino-1,3,5-triazine	
pham*†‡	isopropyl *N*-phenylcarbamate	
xan*	isopropyl xanthic acid	(IPX†, proxan-sodium [= Na salt]‡)
nachlor†	2-chloro-*N*-(1-methyl-2-propynyl)acetanilide	
azone*	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one	(pyrazon†)
iclor†	2,3,5-trichloro-4-pyridinol	
uthylazine*	2-chloro-4-ethylamino-6-s-butylamino-1,3,5-triazine	
butmeton*	4-ethylamino-2-methoxy-6-s-butylamino-1,3,5-triazine	
uron*†‡	*N*-(2-methylcyclohexyl)-*N'*-phenylurea	
azine*†‡	2-chloro-4,6-bisethylamino-1,3,5-triazine	
eton*	4,6-bisethylamino-2-methoxy-1,3,5-triazine	
etryne*†	4,6-bisethylamino-2-methylthio-1,3,5-triazine	(simetryn‡)
A	sodium monochloroacetate	
allate*‡	2-chloroallyl *N,N*-diethyldithiocarbamate	(CDEC†)
p†	methyl *N*-(3,4-dichlorophenyl)carbamate	
,5-T*†‡	2,4,5-trichlorophenoxyacetic acid	
5-TB*‡	4-(2,4,5-trichlorophenoxy)butyric acid	
,6-TBA†‡	2,3,6-trichlorobenzoic acid	
A†	trichloroacetic acid	(sodium trichloroacetate [= Na salt] ‡)
uthiuron†	*N,N'*-dimethyl-*N*-(5-t-butyl-1,3,4-thiadiazol-2-yl)urea	
bacil†	5-chloro-6-methyl-3-t-butyluracil	
bucarb*	2,6-di-t-butyl-*p*-tolyl *N*-methylcarbamate	(terbutol†)
butmeton*	4-ethylamino-2-methoxy-6-t-butylamino-1,3,5-triazine	
buthylazine*	2-chloro-4-ethylamino-6-t-butylamino-1,3,5-triazine	
butryne*	4-ethylamino-2-methylthio-6-t-butylamino-1,3,5-triazine	
,5-TES†	2-(2,4,5-trichlorophenoxy)ethyl hydrogen sulphate	
zfluron*	1,3-dimethyl-1-(5-trifluoromethyl-1,3,4-thiadazol-2-yl)urea	
A	2,3,5-triiodobenzoic acid	
allate*‡	*S*-2,3,3-trichloroallyl *N,N*-di-isopropyl(thiocarbamate)	(triallate†)
amba*†‡	3,5,6-trichloro-2-methoxybenzoic acid	
tazine*†	2-chloro-4-diethylamino-6-ethylamino-1,3,5-triazine	
luralin*†‡	2,6-dinitro-*N,N*-dipropyl-4-trifluoromethylaniline	
neturon*†	*N'*-(4-chlorophenyl)-*O,N,N*-trimethylisourea	
ropindan*	6-isopropyl-1,1,4-trimethyl-5-propionylindane	
nolate†	*S*-propyl *N,N*-dipropyl(thiocarbamate)	

ERRATA

(lines are counted from the beginning of the bibliographic data in each item.)

Volume 20

Page	*Abstract*	*Line*	
388	2474	26	For 'content' read 'yield'
388	2474	27	For 'nearly 50' read 'an average of 15'

Volume 21

307	1904	15	For '*aegyptiacum*' read '*aegyptium*'
391	2431	2	After '*Bedrijfsontwikkeling*' add '(*Akkerbouw*)'
489	3084	3	After '8,(1),' add '49-54'

Volume 22

37	372	1	For 'Lopez, J. de D., G.; Valenzuela, C. C.; Gaitán, M. P.' read 'López González, J. de D.; Valenzuela Calahorro, C.; Gaitán Perabad, M.
134	1249	9	For 'metoxuron at 3+ simazine 3lb/acre' read 'metoxuron at 3lb + simazine 3oz/acre'

Volume 23

2	15	12	for '+' read 'α'
16	150	1	for 'Mitchell, J. F.,' read 'Mitchell, B. J. F.'
30	265	7	for 'spring with $Cu(OH)_2$' read 'spraying with $Cu(OH)_2$'
30	266	8	for 'sideveloped psendogley' read 'sites ranging from strongly developed pseudogley'
42	369	9-10	for 'paraquat dichloride,' read 'various adsorbents'
54	464	1	for 'Kapen' read 'Kampen'
66	567	1	for 'Nagju' read 'Nangju'
69	595	3	for '*Agricultural and*' read '*Agricultural Research and*'
76	667	19-20	for 'Meturine [Methurin]' read 'Meturine ([Methurin]'
108	966	9	for 'compound' read 'mixture'
127	1146	3	for '*Unweltschutz*' read '*Umweltschutz*'
159	1449	9	for 'On the lower o.m. site incorporated o.m. site incorporate' read 'On the lower o.m. site incorporated applications of HER'
159	1449	12-13	for '709 [5 chloro-3-(2-tetrahydropyranyl)-6 methyluracil]' read 'at 0.9 lb/acre, RU12'
166	1515	21	insert 'were seen' after 'differences'
171	1562	1	for 'Thurston, M. J.' read 'Thurston, J. M.'
171	1563	1	for 'Thurston, M. J.' read 'Thurston, J. M.'
171	1564	1	for 'Thurston, M. J.' read 'Thurston, J. M.'
172	1568	1	for 'Wittington, W. J.' read 'Whittington, W. J.'
175	1604	2	for '*Fusaria*' read 'fusaria'
193	1751	8	for 'cockspurs' read 'weed millets'
210	1926	22	for 'Kazakstan' read 'Kazakhstan'
212	1937	13	for '10 μM' read '10μM'
212	1940	21	for 'enzymes' read 'herbicides'
212	1943	11-12	for 'of M or lower,' read 'of 10^{-5} M or lower'
216	1980	11	for '*Analytical*' read '*Agricultural*'
217	1986	20	for 'adjacent' read 'adjoining'
219	2015	21	for 'mirror image' read 'reciprocal'
221	2028	14-15	for 'paralleled the picloram curve' read 'paralleled the picloram dissociation curve'
225	2066	9	for 'use or' read 'use of'
225	2071	1	after '[Tobacco.]' add '77-81'
228	2094	14	for 'from 80-20%' read 'from 80% to 20%'
228	2095	6-7	for '(o.m. 3.5%) and pH 7.4' read '(o.m. 3.5% and pH 7.4)'
229	2106	16	for 'trfnsplanting' read 'transplanting'
229	2110	5	for 'Columbia' read 'Colombia'
230	2113	45	for 'effected' read 'affected'
230	2115	2	for '*Deutsche*' read '*Deutschen*'
231	2121	33	for 'Betanil' read 'Betanal'
231	2121	36	for 'Betanil' read 'Betanal'
231	2124	8	for 'alos' read 'also'
232	2134	10	for 'Duoubling' read 'Doubling'
233	2139	15	for 'stylo,' read 'stylo.'
234	2149	5	for 'UK,' read 'UK;'
236	2170	28	for '1972' read '1973'
238	2191	5	for '[produce]' read '[product]'
239	2205	11	for 'where' read 'when'
239	2207	11	for 'lb/1000 ft^2' read 'lb/1000 ft^3'
240	2212	3	for '*Kul'truy*' read '*Kul'tury*'
240	2220	5	for '*traganthacoides*' read '*arborescens*'
241	2227	7	for 'black pack' read 'back pack'
243	2243	19	for 'for 0_2' read 'for O_2'
243	2249	10	for '4 lb, respectively.' read '4 lb/acre, respectively.'
243	2249	14	for '75°C' read '75°F'
244	2251	11	for '3 lb/acre nd' read '3 lb/acre and'
244	2259	16	for 'reviewed ane' read 'reviewed and'
247	2286	8	for 'data' read 'date'
248	2295	5	for '[*Hordeum* spp.),' read '(*Hordeum* spp.),'
248	2295	7	for 'Nasella tussock' read 'Nassella tussock'
248	2296	14	for 'greatest' read 'greater'

Page	*Abstract*	*Line*	
249	2301	10	for 'attached' read 'attacked'
249	2303	17	for 'insure' read 'ensure'
249	2307	19	for '2,4,5-D' read '2,4-D'
252	2331	8	for 'diruon' read 'diuron'
252	2333	9	for 'Both herbicides were readily absorbed' read 'The herbicide was readily absorbed'
252	2334	11	for 'glutathion' read 'glutathione'
253	2339	6-7	for '(3-isopropyl-6-t-butylisoxazolo [3,4-*d*] pyrimidin-4-one)' read '(3-isopropyl-6-t-butylisoxazolo[3,4-*d*]pyrimidin-4-one)'
253	2341	16	for 'herbicididal' read 'herbicidal'
254	2349	2	for '**plants**' read '**plant**'
257	2375	4	for 'Mouvaises' read 'Mauvaises'
258	2389	18	for '20°C. this paper is' read '20°C. This paper is'
259	2395	11-12	for '(60% α-(*p*-alkylphenyl)-ω-hydroxypoly(oxyethylene)alkylsulphate)' read '(60% α-(*p*-alkylphenyl)-ω-hydroxypoly(oxyethylene) α-(*p*-alkylphenyl)-ω-hydroxypoly(oxyethylene)sulphate, alkylsulphate)'
259	2396	9	for 'spinning-dic' read 'spinning-disc'
260	2406	4	for 'Amchen' read 'Amchem'
264	2431	12	for 'C. segetum' read '*C. segetum*'
291	2694	7-8	delete 'carried out in 1969-71 summer,' and insert 'applied in spring or summer,'